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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=1; day=5; hr=10; min=34; sec=40; ms=602; ]

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Application No: 10590657 Version No: 1.0

Input Set:

Output Set:

Started: 2008-12-22 16:32:14.527  
Finished: 2008-12-22 16:32:15.828  
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 301 ms  
Total Warnings: 6  
Total Errors: 0  
No. of SeqIDs Defined: 8  
Actual SeqID Count: 8

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)

# SEQUENCE LISTING

<110> Deutsches Krebsforschungszentrum

<120> Use of DMBT-1 for capturing sulphate and phosphate group exposing agents

<130> DK62080PC

<140> 10590657

<141> 2008-12-22

<150> EP 04004281.4

<151> 2004-02-25

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 2413

<212> PRT

<213> Homo sapiens

<400> 1

Met	Gly	Ile	Ser	Thr	Val	Ile	Leu	Glu	Met	Cys	Leu	Leu	Trp	Gly	Gln
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			20					25					30		

Leu	Ile	Pro	Ser	Glu	Val	Pro	Leu	Asp	Pro	Thr	Val	Ala	Glu	Gly	Ser
			35					40					45		

Pro Phe Pro Ser Glu Ser Thr Leu Glu Ser Thr Val Ala Glu Gly Ser  
50 55 60

Pro Ile Ser Leu Glu Ser Thr Leu Glu Ser Thr Val Ala Glu Gly Ser  
65 70 75 80

Leu Ile Pro Ser Glu Ser Thr Leu Glu Ser Thr Val Ala Glu Gly Ser  
85 90 95

Asp Ser Gly Leu Ala Leu Arg Leu Val Asn Gly Asp Gly Arg Cys Gln  
100 105 110

Gly Arg Val Glu Ile Leu Tyr Arg Gly Ser Trp Gly Thr Val Cys Asp  
115 120 125

Asp Ser Trp Asp Thr Asn Asp Ala Asn Val Val Cys Arg Gln Leu Gly  
130 135 140

Cys Gly Trp Ala Met Ser Ala Pro Gly Asn Ala Trp Phe Gly Gln Gly  
145 150 155 160

Ser Gly Pro Ile Ala Leu Asp Asp Val Arg Cys Ser Gly His Glu Ser  
165 170 175

Tyr Leu Trp Ser Cys Pro His Asn Gly Trp Leu Ser His Asn Cys Gly  
180 185 190

His Gly Glu Asp Ala Gly Val Ile Cys Ser Ala Ala Gln Pro Gln Ser  
195 200 205

Thr Leu Arg Pro Glu Ser Trp Pro Val Arg Ile Ser Pro Pro Val Pro  
210 215 220

Thr Glu Gly Ser Glu Ser Ser Leu Ala Leu Arg Leu Val Asn Gly Gly  
225 230 235 240

Asp Arg Cys Arg Gly Arg Val Glu Val Leu Tyr Arg Gly Ser Trp Gly  
245 250 255

Thr Val Cys Asp Asp Tyr Trp Asp Thr Asn Asp Ala Asn Val Val Cys  
260 265 270

Arg Gln Leu Gly Cys Gly Trp Ala Met Ser Ala Pro Gly Asn Ala Gln

275

280

285

Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp Val Arg Cys Ser  
290 295 300

Gly His Glu Ser Tyr Leu Trp Ser Cys Pro His Asn Gly Trp Leu Thr  
305 310 315 320

His Asn Cys Gly His Ser Glu Asp Ala Gly Val Ile Cys Ser Ala Pro  
325 330 335

Gln Ser Arg Pro Thr Pro Ser Pro Asp Thr Trp Pro Thr Ser His Ala  
340 345 350

Ser Thr Ala Gly Pro Glu Ser Ser Leu Ala Leu Arg Leu Val Asn Gly  
355 360 365

Gly Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg Gly Ser Trp  
370 375 380

Gly Thr Val Cys Asp Asp Ser Trp Asp Thr Ser Asp Ala Asn Val Val  
385 390 395 400

Cys Arg Gln Leu Gly Cys Gly Trp Ala Thr Ser Ala Pro Gly Asn Ala  
405 410 415

Arg Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp Val Arg Cys  
420 425 430

Ser Gly Tyr Glu Ser Tyr Leu Trp Ser Cys Pro His Asn Gly Trp Leu  
435 440 445

Ser His Asn Cys Gln His Ser Glu Asp Ala Gly Val Ile Cys Ser Ala  
450 455 460

Ala His Ser Trp Ser Thr Pro Ser Pro Asp Thr Leu Pro Thr Ile Thr  
465 470 475 480

Leu Pro Ala Ser Thr Val Gly Ser Glu Ser Ser Leu Ala Leu Arg Leu  
485 490 495

Val Asn Gly Gly Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg  
500 505 510

Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Thr Asn Asp Ala  
515 520 525

Asn Val Val Cys Arg Gln Leu Gly Cys Gly Trp Ala Met Leu Ala Pro  
530 535 540

Gly Asn Ala Arg Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp  
545 550 555 560

Val Arg Cys Ser Gly Asn Glu Ser Tyr Leu Trp Ser Cys Pro His Asn  
565 570 575

Gly Trp Leu Ser His Asn Cys Gly His Ser Glu Asp Ala Gly Val Ile  
580 585 590

Cys Ser Gly Pro Glu Ser Ser Leu Ala Leu Arg Leu Val Asn Gly Gly  
595 600 605

Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg Gly Ser Trp Gly  
610 615 620

Thr Val Cys Asp Asp Ser Trp Asp Thr Asn Asp Ala Asn Val Val Cys  
625 630 635 640

Arg Gln Leu Gly Cys Gly Trp Ala Met Ser Ala Pro Gly Asn Ala Arg  
645 650 655

Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp Val Arg Cys Ser  
660 665 670

Gly His Glu Ser Tyr Leu Trp Ser Cys Pro Asn Asn Gly Trp Leu Ser  
675 680 685

His Asn Cys Gly His His Glu Asp Ala Gly Val Ile Cys Ser Ala Ala  
690 695 700

Gln Ser Arg Ser Thr Pro Arg Pro Asp Thr Leu Ser Thr Ile Thr Leu  
705 710 715 720

Pro Pro Ser Thr Val Gly Ser Glu Ser Ser Leu Thr Leu Arg Leu Val  
725 730 735

Asn Gly Ser Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg Gly		
740	745	750
Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Thr Asn Asp Ala Asn		
755	760	765
Val Val Cys Arg Gln Leu Gly Cys Gly Trp Ala Thr Ser Ala Pro Gly		
770	775	780
Asn Ala Arg Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp Val		
785	790	800
Arg Cys Ser Gly His Glu Ser Tyr Leu Trp Ser Cys Pro His Asn Gly		
805	810	815
Trp Leu Ser His Asn Cys Gly His His Glu Asp Ala Gly Val Ile Cys		
820	825	830
Ser Val Ser Gln Ser Arg Pro Thr Pro Ser Pro Asp Thr Trp Pro Thr		
835	840	845
Ser His Ala Ser Thr Ala Gly Pro Glu Ser Ser Leu Ala Leu Arg Leu		
850	855	860
Val Asn Gly Gly Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg		
865	870	875
Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Thr Ser Asp Ala		
885	890	895
Asn Val Val Cys Arg Gln Leu Gly Cys Gly Trp Ala Thr Ser Ala Pro		
900	905	910
Gly Asn Ala Arg Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp		
915	920	925
Val Arg Cys Ser Gly Tyr Glu Ser Tyr Leu Trp Ser Cys Pro His Asn		
930	935	940
Gly Trp Leu Ser His Asn Cys Gln His Ser Glu Asp Ala Gly Val Ile		
945	950	955
		960

Cys Ser Ala Ala His Ser Trp Ser Thr Pro Ser Pro Asp Thr Leu Pro  
965 970 975

Thr Ile Thr Leu Pro Ala Ser Thr Val Gly Ser Glu Ser Ser Leu Ala  
980 985 990

Leu Arg Leu Val Asn Gly Gly Asp Arg Cys Gln Gly Arg Val Glu Val  
995 1000 1005

Leu Tyr Gln Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp  
1010 1015 1020

Thr Asn Asp Ala Asn Val Val Cys Arg Gln Leu Gly Cys Gly Trp  
1025 1030 1035

Ala Met Ser Ala Pro Gly Asn Ala Arg Phe Gly Gln Gly Ser Gly  
1040 1045 1050

Pro Ile Val Leu Asp Asp Val Arg Cys Ser Gly His Glu Ser Tyr  
1055 1060 1065

Leu Trp Ser Cys Pro His Asn Gly Trp Leu Ser His Asn Cys Gly  
1070 1075 1080

His Ser Glu Asp Ala Gly Val Ile Cys Ser Ala Ser Gln Ser Arg  
1085 1090 1095

Pro Thr Pro Ser Pro Asp Thr Trp Pro Thr Ser His Ala Ser Thr  
1100 1105 1110

Ala Gly Ser Glu Ser Ser Leu Ala Leu Arg Leu Val Asn Gly Gly  
1115 1120 1125

Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg Gly Ser Trp  
1130 1135 1140

Gly Thr Val Cys Asp Asp Tyr Trp Asp Thr Asn Asp Ala Asn Val  
1145 1150 1155

Val Cys Arg Gln Leu Gly Cys Gly Trp Ala Met Ser Ala Pro Gly  
1160 1165 1170

Asn Ala Arg Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp



1175		1180		1185
Val Arg Cys Ser Gly His Glu Ser Tyr Leu Trp Ser Cys Pro His				
1190		1195		1200
Asn Gly Trp Leu Ser His Asn Cys Gly His His Glu Asp Ala Gly				
1205		1210		1215
Val Ile Cys Ser Ala Ser Gln Ser Gln Pro Thr Pro Ser Pro Asp				
1220		1225		1230
Thr Trp Pro Thr Ser His Ala Ser Thr Ala Gly Ser Glu Ser Ser				
1235		1240		1245
Leu Ala Leu Arg Leu Val Asn Gly Gly Asp Arg Cys Gln Gly Arg				
1250		1255		1260
Val Glu Val Leu Tyr Arg Gly Ser Trp Gly Thr Val Cys Asp Asp				
1265		1270		1275
Tyr Trp Asp Thr Asn Asp Ala Asn Val Val Cys Arg Gln Leu Gly				
1280		1285		1290
Cys Ser Trp Ala Thr Ser Ala Pro Gly Asn Ala Arg Phe Gly Gln				
1295		1300		1305
Gly Ser Gly Pro Ile Val Leu Asp Asp Val Arg Cys Ser Gly His				
1310		1315		1320
Glu Ser Tyr Leu Trp Ser Cys Pro His Asn Gly Trp Phe Ser His				
1325		1330		1335
Asn Cys Gly His His Glu Asp Ala Gly Val Ile Cys Ser Ala Ser				
1340		1345		1350
Gln Ser Gln Pro Thr Pro Ser Pro Asp Thr Trp Pro Thr Ser His				
1355		1360		1365
Ala Ser Thr Ala Gly Ser Glu Ser Ser Leu Ala Leu Arg Leu Val				
1370		1375		1380
Asn Gly Gly Asp Arg Cys Gln Gly Arg Val Glu Val Leu Tyr Arg				
1385		1390		1395

Gly Ser Trp Gly Thr Val Cys Asp Asp Tyr Trp Asp Thr Asn Asp  
1400 1405 1410

Ala Asn Val Val Cys Arg Gln Leu Gly Cys Gly Trp Ala Thr Ser  
1415 1420 1425

Ala Pro Gly Asn Ala Arg Phe Gly Gln Gly Ser Gly Pro Ile Val  
1430 1435 1440

Leu Asp Asp Val Arg Cys Ser Gly His Glu Ser Tyr Leu Trp Ser  
1445 1450 1455

Cys Pro His Asn Gly Trp Leu Ser His Asn Cys Gly His His Glu  
1460 1465 1470

Asp Ala Gly Val Ile Cys Ser Ala Ser Gln Ser Gln Pro Thr Pro  
1475 1480 1485

Ser Pro Asp Thr Trp Pro Thr Ser Arg Ala Ser Thr Ala Gly Ser  
1490 1495 1500

Glu Ser Thr Leu Ala Leu Arg Leu Val Asn Gly Gly Asp Arg Cys  
1505 1510 1515

Arg Gly Arg Val Glu Val Leu Tyr Gln Gly Ser Trp Gly Thr Val  
1520 1525 1530

Cys Asp Asp Tyr Trp Asp Thr Asn Asp Ala Asn Val Val Cys Arg  
1535 1540 1545

Gln Leu Gly Cys Gly Trp Ala Met Ser Ala Pro Gly Asn Ala Gln  
1550 1555 1560

Phe Gly Gln Gly Ser Gly Pro Ile Val Leu Asp Asp Val Arg Cys  
1565 1570 1575

Ser Gly His Glu Ser Tyr Leu Trp Ser Cys Pro His Asn Gly Trp  
1580 1585 1590

Leu Ser His Asn Cys Gly His His Glu Asp Ala Gly Val Ile Cys  
1595 1600 1605

Ser Ala	Ala Gln Ser Gln Ser	Thr Pro Arg Pro Asp	Thr Trp Leu
1610	1615	1620	
Thr Thr	Asn Leu Pro Ala Leu	Thr Val Gly Ser Glu	Ser Ser Leu
1625	1630	1635	
Ala Leu	Arg Leu Val Asn Gly	Gly Asp Arg Cys Arg	Gly Arg Val
1640	1645	1650	
Glu Val	Leu Tyr Arg Gly Ser	Trp Gly Thr Val Cys	Asp Asp Ser
1655	1660	1665	
Trp Asp	Thr Asn Asp Ala Asn	Val Val Cys Arg Gln	Leu Gly Cys
1670	1675	1680	
Gly Trp	Ala Met Ser Ala Pro	Gly Asn Ala Arg Phe	Gly Gln Gly
1685	1690	1695	
Ser Gly	Pro Ile Val Leu Asp	Asp Val Arg Cys Ser	Gly Asn Glu
1700	1705	1710	
Ser Tyr	Leu Trp Ser Cys Pro	His Lys Gly Trp Leu	Thr His Asn
1715	1720	1725	
Cys Gly	His His Glu Asp Ala	Gly Val Ile Cys Ser	Ala Thr Gln
1730	1735	1740	
Ile Asn	Ser Thr Thr Thr Asp	Trp Trp His Pro Thr	Thr Thr Thr
1745	1750	1755	
Thr Ala	Arg Pro Ser Ser Asn	Cys Gly Gly Phe Leu	Phe Tyr Ala
1760	1765	1770	
Ser Gly	Thr Phe Ser Ser Pro	Ser Tyr Pro Ala Tyr	Tyr Pro Asn
1775	1780	1785	
Asn Ala	Lys Cys Val Trp Glu	Ile Glu Val Asn Ser	Gly Tyr Arg
1790	1795	1800	
Ile Asn	Leu Gly Phe Ser Asn	Leu Lys Leu Glu Ala	His His Asn
1805	1810	1815	

Cys Ser	Phe Asp Tyr Val Glu	Ile Phe Asp Gly Ser	Leu Asn Ser
1820	1825	1830	
Ser Leu	Leu Leu Gly Lys Ile	Cys Asn Asp Thr Arg	Gln Ile Phe
1835	1840	1845	
Thr Ser	Ser Tyr Asn Arg Met	Thr Ile His Phe Arg	Ser Asp Ile
1850	1855	1860	
Ser Phe	Gln Asn Thr Gly Phe	Leu Ala Trp Tyr Asn	Ser Phe Pro
1865	1870	1875	
Ser Asp	Ala Thr Leu Arg Leu	Val Asn Leu Asn Ser	Ser Tyr Gly
1880	1885	1890	
Leu Cys	Ala Gly Arg Val Glu	Ile Tyr His Gly Gly	Thr Trp Gly
1895	1900	1905	
Thr Val	Cys Asp Asp Ser Trp	Thr Ile Gln Glu Ala	Glu Val Val
1910	1915	1920	
Cys Arg	Gln Leu Gly Cys Gly	Arg Ala Val Ser Ala	Leu Gly Asn
1925	1930	1935	
Ala Tyr	Phe Gly Ser Gly Ser	Gly Pro Ile Thr Leu	Asp Asp Val
1940	1945	1950	
Glu Cys	Ser Gly Thr Glu Ser	Thr Leu Trp Gln Cys	Arg Asn Arg
1955	1960	1965	
Gly Trp	Phe Ser His Asn Cys	Asn His Arg Glu Asp	Ala Gly Val
1970	1975	1980	
Ile Cys	Ser Gly Asn His Leu	Ser Thr Pro Ala	